

E1 SUB F17 cooling said laminated foil and woven material in a fully or partly fixed state, wherein said laminated foil and woven material is cooled under pressure, from about 300 to 420 ° C to about 50 ° C in about 0.1 to 240 seconds, wherein said laminating and cooling is conducted continuously whereby cooling of said partial length of said laminated foil and woven material is carried out simultaneously with the heating of said preceding partial length of said laminated foil and woven material.

E2 SUB F17 11. (Thrice Amended) An apparatus for manufacture of a composite material comprising at least one layer of reinforcing woven material and at least one layer of PTFE foil or ePTFE foil, where said at least one layer of foil is laminated together with said at least one layer of woven material by heat and pressure, said apparatus comprising: means for laminating said at least one layer of reinforcing woven material and said at least one layer of foil together, wherein said at least one layer of foil is laminated together with said at least one layer of woven material at approximately 380° C to 400° C under a pressure of 0.1 to 20 N/mm², wherein said means for laminating said at least one layer of reinforcing woven material and at least one layer of PTFE foil or ePTFE foil comprises a combined pressure and heat supply; means for fixation of the uncooled or partly cooled laminated at least one layer of reinforcing woven material and at least one layer of PTFE foil or ePTFE foil; and a controllable cooling means, wherein said fixation means cooperates with said controllable cooling means, wherein said apparatus is suitable for cooling said composite material under pressure from about 300 to 420° C to about 50° C in about 0.1 to about 240 seconds.

Please add new claim 14 as follows:

E3 SUB F17 14. (New) The method of claim 1, wherein said cooling is carried out at a pressure of from 0.1 to 20 N/mm².